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MANUFACTURE NEW MACHINES; BUILD MEASURING INSTRUMENT FACTORIES

NEW-TYPE CRANE PRODUCED -- Budapest, Nepszava, 15 Feb 51

The 1951 year plan calls for the production of machinery never before seen in Hungary. Construction of the Roessemann Transportation Equipment Factory at Romaifurdo has been completed, and the plant will soon be producing a "roof crane" in large numbers. This crane has not been built in Hungary before. This type of rotating, boom crane is being used at the construction site at Molotov ter. The crane lifts 2-ton hoppers of concrete from the automatic mixer to the roof of the construction. The crane performs the work of 40 men in 3 minutes, half the time needed for manual labor. The production capacity of a smaller boom crane produced at the Roessemann plant is 200 percent greater than that of a lift and does the work of 12 men per hour.

Mass production of conveyer belts for moving coal will begin at the Roessemann plant this fall. The conveyer belt will replace the use of hoppers in mines. In a mechanized mining industry, the conveyer belt can move 200 tons of coal, or 20 carloads, per working shift.

In the next few months, the first Hungarian mine combine, the Petofi cutting and loading machine, will be produced at the BAMERT Machine Factory. Serial production of the Szeman undercutting machine is to begin soon. In 32 minutes, the Szeman machine does the work of two capable hewers working by hand for 4 hours.

The first turret lathe produced in Hungary, a sample machine built by the Model Machine Factory, was recently tested in the MAVAG plant, previous to its manufacture on a large scale. Novices can be trained in a week to operate the turret lathe. The turret lathe is gradually replacing the "hump" (csucs) lathe, which was used by manufacturers who produced a wide variety of products.

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BEGIN CONSTRUCTION OF INSTRUMENT FACTORIES -- Budapest, Szabad Nep, 14 Feb 51

The manufacture of measuring instruments as an industry was begun this year. Construction of the Hodmezovasarhely Balance Factory began in 1950, and production will begin this year in the large, modern assembly plant and in the machine shop. The workers who will man the factory are acquiring the necessary skill in Budapest shops until the Hodmezovasarhely plant opens.

Last year also, new construction was begun at the Electronic Apparatus and Measuring Instruments Factory. This plant produces the electronic and thermotechnical instruments for Hungary's new power plants and factories, makes electronic appartus for use in medicine, and the instruments used in connection with this apparatus. A newly constructed wing of the factory has already been opened. The plant will be further expanded during 1951 and 1952. The factory has been equipped with modern machinery and measuring instruments which will greatly increase the quality of production.

Construction will also begin this year on the Mechanical Measuring Instruments Factory at Budapest, which is scheduled to begin production next year. This is the first of the modern, ferroconcrete, glass-walled instrument factories which are to be built. The plant will produce large quantities of high-quality recording instruments and instruments for measuring stresses, for making quantitative measurements, and for measuring velocities.

Construction will also begin this year on the Medical Instrument Factory at Debrecen, which will be completed in 1952. Although in the past, Hungary was forced to import medical instruments, production has so increased since the beginning of the Five-Year Plan that Hungary now carries on a healthy export trade in medical equipment.

It is also planned to construct a caliper factory this year. This would be Hungary's first independent caliper factory.

BUILD COAL COMBINES, TRACTORS ABOVE PLAN -- Budapest, Friss Ujsag, 14 Feb 51

Hofherr Factory workers pledged to complete three sample model Ajtai-Szilard coal combines by 24 February, one month ahead of schedule. The plant workers also intend to build 20 tractors above plan by 24 February. As a result of worker competition, 15 of these tractors have already been completed.

SPINERY UNDER CONSTRUCTION AT KAPOSVAR -- Budapest, Szabad Nep, 11 Feb 51

Construction is scheduled to begin this year on a spinnery at Kaposvar, which is to be almost twice as large as the spinnery of the Szeged Textile Combine. The temperature of working areas will be controlled by four types of heating installations, and the humidity and dust content of the air will be regulated. The modern factory will be provided with showers for workers, and dining and recreation rooms. A portion of the plant will be put into operation this year.

RECEIVES EARTH-MOVING MACHINES FROM USSR -- Budapest, Szabad Nep, 11 Feb 51

During the past year, two earth-moving machines were received from the USSR. They are being used in connection with the improvement of sodaic land. Each of these machines does the work of 62 men and 20 horses at about half the expense. In the course of the Five-Year Plan, 12 more of these machines will be received from the Soviet.

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